

Amendments to the claims

Claims 1-89 (canceled)

90. (new) A system for detecting the identity and location of a person comprising, in combination:

a portable communications unit worn on the body of said person, said communications unit including:

a memory for storing identification data uniquely identifying said person,
a first radio device, and
a first infrared device;

a base station including:

a second radio device for detecting the presence of said first radio device within radio range of said second radio device, and

a second infrared device for detecting the presence of said first infrared device within line of sight range of said second infrared device; and

a computing system coupled to said base station for performing one or more functions when said first radio device is within radio range of said second radio device and said first infrared device is within line of sight range of said second infrared device.

91. (new) A system for detecting the identity and location of a person as set forth in claim 90 wherein said portable communications unit further includes means for detecting the removal of said communications unit from the body of said person.

92. (new) A system for detecting the identity and location of a person as set forth in claim 91 wherein said communication unit further includes means for preventing said identification data from being retrieved from said memory in response to the detection of the removal of said communications unit from the body of said person.

93. (new) A system for detecting the identity and location of a person as set forth in claim 91 wherein said portable communications unit further includes means for transmitting a signal to said computing system in response to the detection of the removal of said communications unit from the body of said person.

94. (new) A system for detecting the identity and location of a person as set forth in claim 91 wherein said system includes means for verifying the identity of said person before storing said identification data in said memory.

95. (new) A system for detecting the identity and location of a person as set forth in claim 94 wherein said means for verifying the identity of said person includes a biometric sensor for obtaining biometric data from the body of said person and means comparing said biometric data with previously stored biometric data identifying said person.

96. (new) A system for detecting the identity and location of a person as set forth in claim 95 wherein said biometric data is fingerprint data.

97. (new) A system for detecting the identity and location of a person as set forth in claim 95 wherein said biometric data is iris scan data.

98. (new) A system for detecting the identity and location of a person as set forth in claim 91 wherein said portable communication unit further includes means for actuating an alarm device in response to the removal of said communications unit from the body of said person

99. (new) A system for detecting the identity and location of a person as set forth in claim 98 wherein said alarm device includes an audible alarm generator forming part of said portable communication unit.

100. (new) A system for detecting the identity and location of a person as set forth in claim 90 wherein said identification data includes a stored password known to said person and wherein one of said one or more functions include requesting and accepting the entry of a user-supplied password for comparison with said stored password to confirm the identity of said person.

101. (new) A system for detecting the identity and location of a person as set forth in claim 90 wherein said system includes means for verifying the identity of said person before storing said identification data in said memory.

102. (new) A system for detecting the identity and location of a person as set forth in claim 101 wherein said means for verifying the identity of said person includes obtaining biometric data from the body of said person and comparing said biometric data with previously stored biometric data identifying said person.

103. (new) A system for detecting the identity and location of a person as set forth in claim 90 wherein said one or more functions includes retrieving identification data from said memory in said portable communications unit and enabling said computing system to perform operations which the person designated by said identification data is authorized to perform.

104. (new) A system for detecting the identity and location of a person as set forth in claim 90 wherein said one or more functions includes providing information to said person.

105. (new) A system for detecting the identity and location of a person as set forth in claim 104 wherein said one or more functions further includes accepting data entered by said person.

106. (new) A system for detecting the identity and location of a person as set forth in claim 90 wherein said one or more functions includes accepting data entered into aid computing system by said person.

107. (new) A system for detecting the identity and location of a person as set forth in claim 90 wherein said portable communications unit further includes a communications subsystem for establishing a data communications link with said computing system via said base station, said communication link employing either a radio data link between said first and second radio devices, or an infrared data link between said first and second infrared devices, or both said radio data link and said infrared data link.

108. (new) A system for detecting the identity and location of a person as set forth in claim 107 wherein said computing system includes means for verifying the identity of said person upon whose body said communications unit is being worn and means for transmitting said identification data via said data communications link to said portable communications unit for storage in said memory.

109. (new) A system for detecting the identity and location of a person as set forth in claim 108 wherein said means for verifying the identity of said person includes obtaining biometric data from the body of said person and comparing said biometric data with previously stored biometric data identifying said person.

110. (new) A system for detecting the identity and location of a person as set forth in claim 109 wherein said portable communications unit further includes means for detecting the removal of said communications unit from the body of said person.

111. (new) A system for detecting the identity and location of a person as set forth in claim 110 wherein said portable communications unit further includes means for transmitting a signal to said computing system via said data communications link in response to the detection of the removal of said communications unit from the body of said person.

112. (new) A system for detecting the identity and location of a person as set forth in claim 110 wherein said communication unit further includes means for preventing said identification data from being retrieved from said memory in response to the detection of the removal of said communications unit from the body of said person.

113. (new) A system for detecting the identity and location of a person as set forth in claim 108 wherein said portable communications unit further includes means for detecting the removal of said communications unit from the body of said person.

114. (new) A system for detecting the identity and location of a person as set forth in claim 113 wherein said portable communications unit further includes means for transmitting a signal to said computing system via said data communications link in response to the detection of the removal of said communications unit from the body of said person.

115. (new) A system for detecting the identity and location of a person as set forth in claim 113 wherein said communication unit further includes means for preventing said identification data from being retrieved from said memory in response to the detection of the removal of said communications unit from the body of said person.

116. (new) A system for detecting the identity and location of a person as set forth in claim 90 wherein said computing system includes a database for storing data indicating whether a particular person is authorized to be in an area in the vicinity of said base station, means for comparing identification data received from said memory with said database, and means for issuing a notification alert if said person is not authorized to be in said area.